

ABSTRACT**PRECISION DENDROMETER**

5 Based on the proportion that exists between the length of a
conductive material and its electrical resistance and using a Wheatstone
bridge type circuit, with four resistances to which a given input voltage is
applied, and when the bridge is in balance the output voltage is zero, consists
of using as such resistances respective extension measurement bands, based
10 on a grid (1) mounted on an electrically insulating support (2), in such a way
that preferably two of said grids (1) are orientated in a principal direction of
maximum deformation, whereas the other two (1') are in a direction at right
angle to the previous one, in such a way that the dimensional variations of said
bands, determined by the increase or reduction in the dimensions of the tree
15 or plant to be controlled, create an output voltage, positive or negative, which
proportionally corresponds with said measurement increase or decrease.